309.8 - Magnetic Moment

These Standard Reference Materials are intended for use in the calibration of magnetometers (such as vibrating sample magnetometers) that are used in the measurement of magnetic properties of materials.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	Certified Value
762	Magnetic Moment Standard Nickel Disk	6 mm dia	54.78 A•M^2/kg±0.15 A•m^2/kg (54.78 emu/g ± 0.15 emu/g)
764a	Magnetic Susceptibility Standard - Platinum Cylinder	3 mm dia. x 3.42 L	1.268×10^{-8} m^3/kg ± 0.004×10^{-8} m^3/kg (1.009×10^{-6} emu/g/0e ± 0.003×10^{-6} emu/g.0e)
772a	Nickel Sphere for Magnetic Moment	each	3.47 mA•m^2 ± 0.01 mA•m^2 (3.47 emu ± 0.01 emu)
2853	Magnetic Moment Standard - Yttrium Iron Garnet Sphere	ea	27.6 A•m^2 /kg ± 0.1 A•m^2/kg (27.6 emu/g ± 0.1 emu/g)